

ABSTRACT OF THE DISCLOSURE

A computer-implemented Integrated Development Environment (IDE) for use in constructing a multi-tier business application for a multiple tier computer network. The IDE is used to create and maintain the multi-tier business application quickly and easily on the multiple tier computer network. The IDE includes a Topological Multi-Tier Business Application Composer and associated Meta-model, wherein the Composer allows the developer to graphically design, develop, maintain, build, test, debug, and deploy the multi-tier business application and the graphical representation of the multi-tier business application is then persistently stored in the Meta-model. The IDE also includes an Interactive Agent that monitors the Meta-model for an occurrence of a specific event and then triggers the display of a dialog box or other graphical element in the user interface of the IDE to interact with the developer by displaying context information comprising a list of suggested and recommended actions that advance the creation of the multi-tier business application.

"Express Mail" mailing label number EL 815 95358345

Date of Deposit August 27 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Trademarks, 2000 Crystal Drive, Arlington, VA 22202-3812.

Adriane M. Baird
(Printed Name)

Adriane M. Baird
(Signature)